

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): ~~Seal in flexible graphite with a metal envelope at high temperature including A seal, comprising:~~

~~A-a flexible core (10, 40) including flexible graphite; and~~

~~A-a metal envelope (12, 42) surrounding that surrounds the flexible core[,]]; and~~

~~Characterised~~

~~by the fact that it includes a sheath (15, 25, 35, 45) that is hermetically sealed, inside of which is placed a unit composed of including the metal envelope(12, 42) and the flexible core(10, 40), wherein~~

~~by the fact that the sheath(15, 25) is in includes two parts welded in a mid plane of the seal, and~~

~~by the fact that the metal envelope is in includes two cups (12, 42) not completely surrounding the flexible core(10, 40).~~

Claim 2 (Canceled).

Claim 3 (Currently Amended): ~~Seal~~ The seal according to claim 1, ~~characterised by the fact that wherein~~ the inside of the sheath (15, 25, 35, 45) is maintained in a relative vacuum.

Claim 4 (Currently Amended): ~~Seal~~ The seal according to claim 1, ~~characterised by the fact that wherein~~ the inside of the sheath (15, 25, 35, 45) is maintained in ~~neuter~~ neutral gas.

Claim 5 (Currently Amended): ~~Seal~~ The seal according to claim 1, characterised by the fact that wherein the sheath (15, 25, 35, 45) is metallic.

Claim 6 (Canceled).

Claim 7 (Currently Amended): ~~Seal according to claim 1 characterised by the fact that~~ A seal, comprising:

a flexible core including flexible graphite;

a metal envelope that surrounds the flexible core; and

a sheath that is hermetically sealed, inside of which is placed a unit including the metal envelope and the flexible core, wherein

the metal envelope includes two cups not completely surrounding the flexible core,

and

~~the sheath (45) is in two parts, includes~~ a higher part (46S) and a lower part (46L) welded at ~~the-a~~ level of two edges opposite ~~the edges of a~~ quadrilateral formed by the total seal.

Claim 8 (Currently Amended): ~~Seal~~ The seal according to claim 1, characterised by the fact that wherein the seal unit is of a square section.

Claim 9 (Currently Amended): ~~Seal~~ The seal according to claim 1, characterised by the fact that wherein the seal unit is of a rectangular section.

Claim 10 (Currently Amended): ~~Seal~~The seal according to claim 9, ~~characterised by~~
~~the fact that~~ wherein the cups (12, 42) have projections (14, 44) ~~placed~~located at ~~the~~a side
where the sheath ~~must be~~is under a load.